DIGITAL VIDEO RECORDER USING CIRCULAR FILE

MANAGEMENT AND METHOD OF OPERATION

ABSTRACT OF THE DISCLOSURE

There is disclosed a digital video recorder that uses a

5 circular file management system to efficiently manage time-shifted

viewing a live video broadcast television program.   There is

provided for use in the digital video recorder, an apparatus for

performing time-shifted viewing of an incoming television program

being received by the digital video recorder.   The apparatus

10 comprises a controller capable of creating a data file having a

defined maximum size on a storage disk of the digital video

recorder and capable of causing video data associated with the

incoming television program to be stored sequentially in the data

file from a first location to an Nth location.   The controller, in

15 response to a determination that the video data has been stored in

the Nth location, causes a next received video data to be stored in

the first location.